

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently Amended) A sampling Sampling device for a microreaction system having an exit aperture for substances involved in the reaction, wherein characterised in that an aperture of a suction line (9) is arranged laterally alongside the exit aperture (4), where a reduced pressure can be generated in the suction line (9) for aspiration of the substances (13) exiting from the exit aperture (4), wherein the suction line (9) is connected to a vacuum source.

2. (Currently Amended) Sampling device according to claim 1, characterised in that A sampling device for a microreaction system having an exit aperture for substances involved in the reaction, wherein an aperture of a suction line (9) is arranged laterally alongside the exit aperture (4), where a reduced pressure can be generated in the suction line (9) for aspiration of the substances (13) exiting from the exit aperture (4), wherein a housing (6) having an outlet aperture (14) for substances (13) exiting from the exit aperture (4) and having a passage aperture (8) for the suction line (9) is arranged around the exit aperture (4).

3. (Cancelled)

4. (Currently Amended) Sampling device according to claim 1, characterised in that A sampling device for a microreaction system having an exit aperture for substances involved in the reaction, wherein an aperture of a suction line (9) is arranged laterally alongside the exit aperture (4), where a reduced pressure can be generated in the suction line (9) for aspiration of the substances (13) exiting from the exit aperture (4), wherein the suction line (9) runs into a collecting vessel (10), which is connected via a valve (11) to a vacuum line (12).

5. (Currently Amended) A sampling Sampling device according to claim 1, wherein characterised in that the exit aperture (4) has is designed in the form of a capillary.

6. (Currently Amended) Sampling device according to claim 1, characterised in that A sampling device for a microreaction system having an exit aperture for substances involved in the reaction, wherein an aperture of a suction line (9) is arranged laterally alongside the exit aperture (4), where a reduced pressure can be generated in the suction line (9) for aspiration of the substances (13) exiting from the exit aperture (4), and wherein the sampling device (1) is heatable in the region of the exit aperture (4).

7. (Currently Amended) A sampling Sampling device according to Claim 6, wherein characterised in that an electric heating device or heat coupling is provided for the heating.

8. (Currently Amended) A sampling Sampling device according to claim 1, wherein characterised in that a protective-gas atmosphere which displaces the atmospheric moisture is can-be generated and maintained in the region of the exit aperture (4).

9. (Currently Amended) A sampling Sampling device according to claim 1, wherein characterised in that an aperture of a compressed-air line (15) is arranged laterally alongside the exit aperture (4) opposite the aperture of the exhaust-air line (9), where an excess pressure of a gas can be generated in the compressed-air line (15) in order to blow the substances (13) exiting from the exit aperture (4) in the direction of the aperture of the suction line (9) by means of the gas flowing out through the aperture of the compressed-air line (15).

10. (Currently Amended) A sampling Sampling device according to Claim 9, wherein characterised in that the gas used is a chemically substantially inactive protective gas.

11. (Currently Amended) A sampling Sampling device according to claim 1, wherein characterised in that the sampling device (1) is can-be made substantially or completely of chemically resistant materials.

12. (New) A sampling device according to Claim 6, wherein a housing (6) having an outlet aperture (14) for substances (13) exiting from the exit aperture (4) and having a passage aperture (8) for the suction line (9) is arranged around the exit aperture (4).

13. (New) A sampling device according to claim 6, wherein the suction line (9) runs into a collecting vessel (10), which is connected via a valve (11) to a vacuum line (12).

14. (New) A sampling device according to claim 6, wherein the exit aperture (4) has the form of a capillary.

15. (New) A sampling device according to claim 6, wherein an aperture of a compressed-air line (15) is arranged laterally alongside the exit aperture (4) opposite the aperture of the exhaust-air line (9), where an excess pressure of a gas can be generated in the compressed-air line (15) in order to blow the substances (13) exiting from the exit aperture (4) in the direction of the aperture of the suction line (9) by the gas flowing out through the aperture of the compressed-air line (15).

16. (New) A sampling device according to Claim 4, wherein a housing (6) having an outlet aperture (14) for substances (13) exiting from the exit aperture (4) and having a passage aperture (8) for the suction line (9) is arranged around the exit aperture (4).

17. (New) A method for taking a sample from a microreaction system, comprising taking said sample with a sampling device according to claim 1, which comprises providing a vacuum in suction line (9).

18. (New) A method for taking a sample from a microreaction system, comprising taking said sample with a sampling device according to claim 2, which comprises providing a vacuum in suction line (9).

19. (New) A method for taking a sample from a microreaction system, comprising taking said sample with a sampling device according to claim 4, which comprises providing a vacuum in suction line (9).

20. (New) A method for taking a sample from a microreaction system, comprising taking said sample with a sampling device according to claim 6, which comprises providing a vacuum in suction line (9).

21. (New) A method for taking a sample from a microreaction system, comprising taking said sample with a sampling device according to claim 9, which comprises providing a vacuum in suction line (9), and providing pressurized gas to compressed-air line (15).